

ABSTRACT OF THE DISCLOSURE

A system and method includes an interoperability engine dynamically generating and updating an application database, a web-based portal in a computer communications network, and a baseline data schema from at least one of a data source and a supplemental data source comprising self-describing documents, and enabling interoperability among application systems. The application database dynamically generates a reporting database. The web-based portal provides access to the application systems via the application database and the reporting database. The self-describing documents may be hosted. An integration unit maps the application systems to the baseline data schema and facilitates transmission and messaging between the baseline data schema and the application systems.